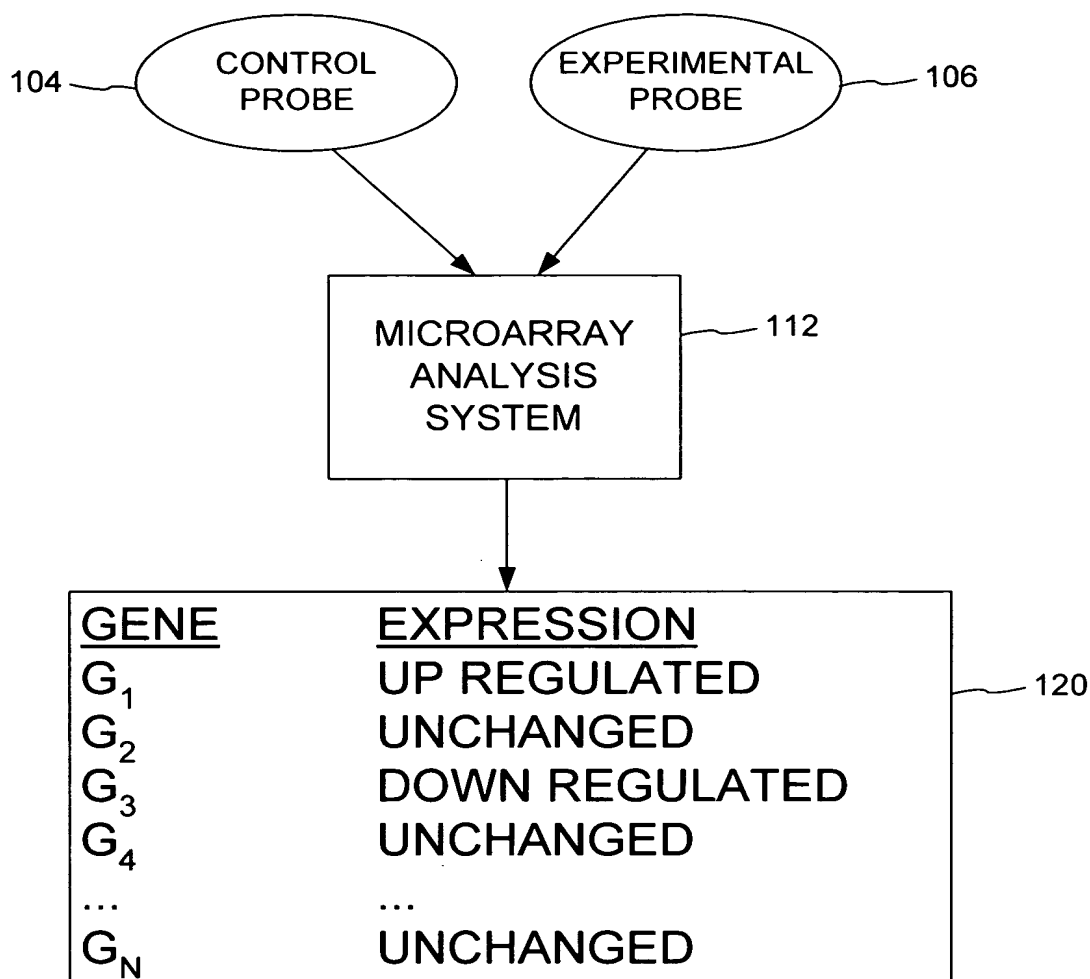


FIG. 1



EXPERIMENT: SUBJECT CELLS TO CONDITION C AND
OBSERVE CHANGE IN GENE EXPRESSION

09595580 "061500

005T90" 08556560

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| CRAFTSMAN | | |

FIG. 2

| <u>EXPERIMENT</u> | <u>CELL LINE</u> | <u>CONDITION</u> | G_1 | G_2 | G_3 | G_4 | ... | G_N |
|-------------------|------------------|------------------|-------|-------|-------|-------|-----|-------|
| 1 | A | C_1 | UP | DN | DN | UP | ... | UP |
| 2 | A | C_2 | UP | UN | UN | UN | ... | UN |
| 3 | A | C_3 | DN | UN | UN | UN | ... | UN |
| 4 | B | C_1 | UP | UN | UN | DN | ... | UN |
| 5 | B | C_2 | UP | UN | UN | UN | ... | UN |
| 6 | C | C_1 | DN | UN | DN | UN | ... | UN |
| ... | ... | ... | ... | ... | ... | ... | ... | ... |
| K | X | C_H | UP | DN | UN | UN | ... | UN |

FIG. 3

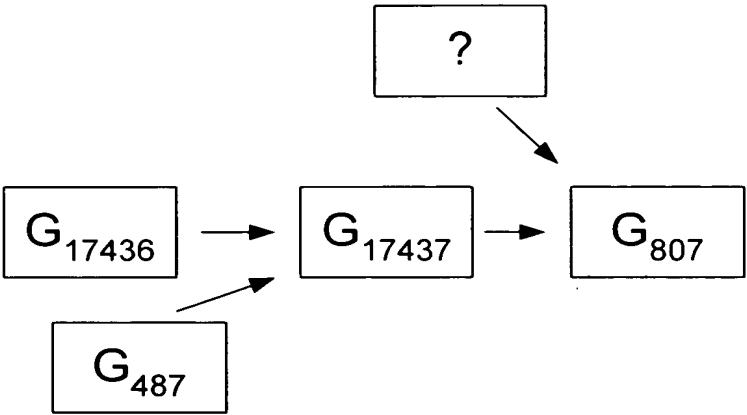
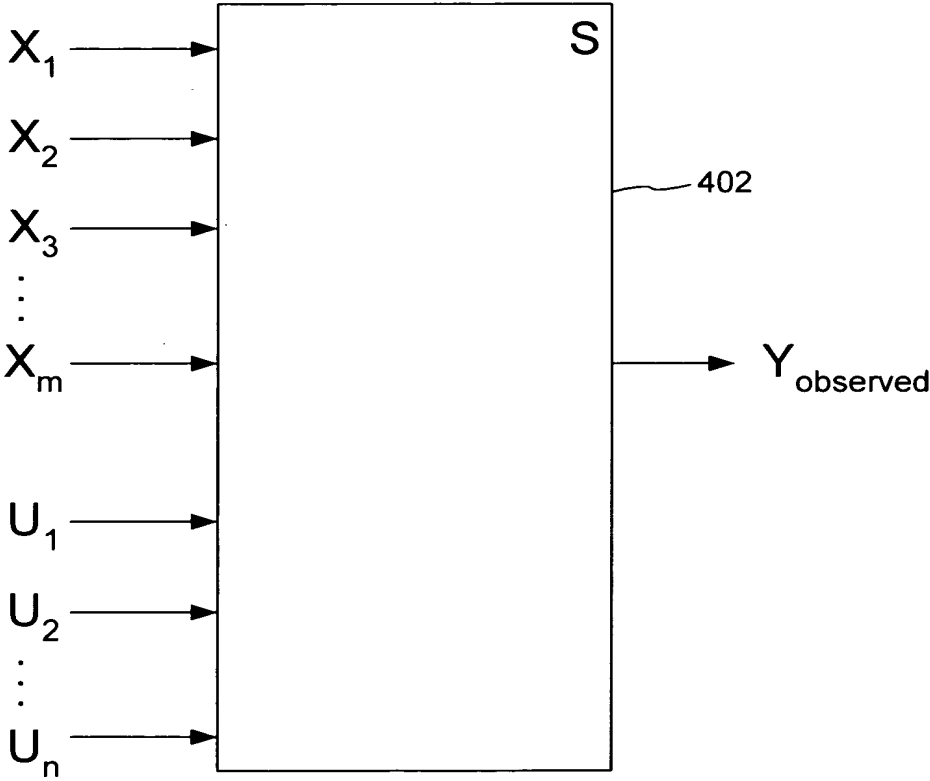


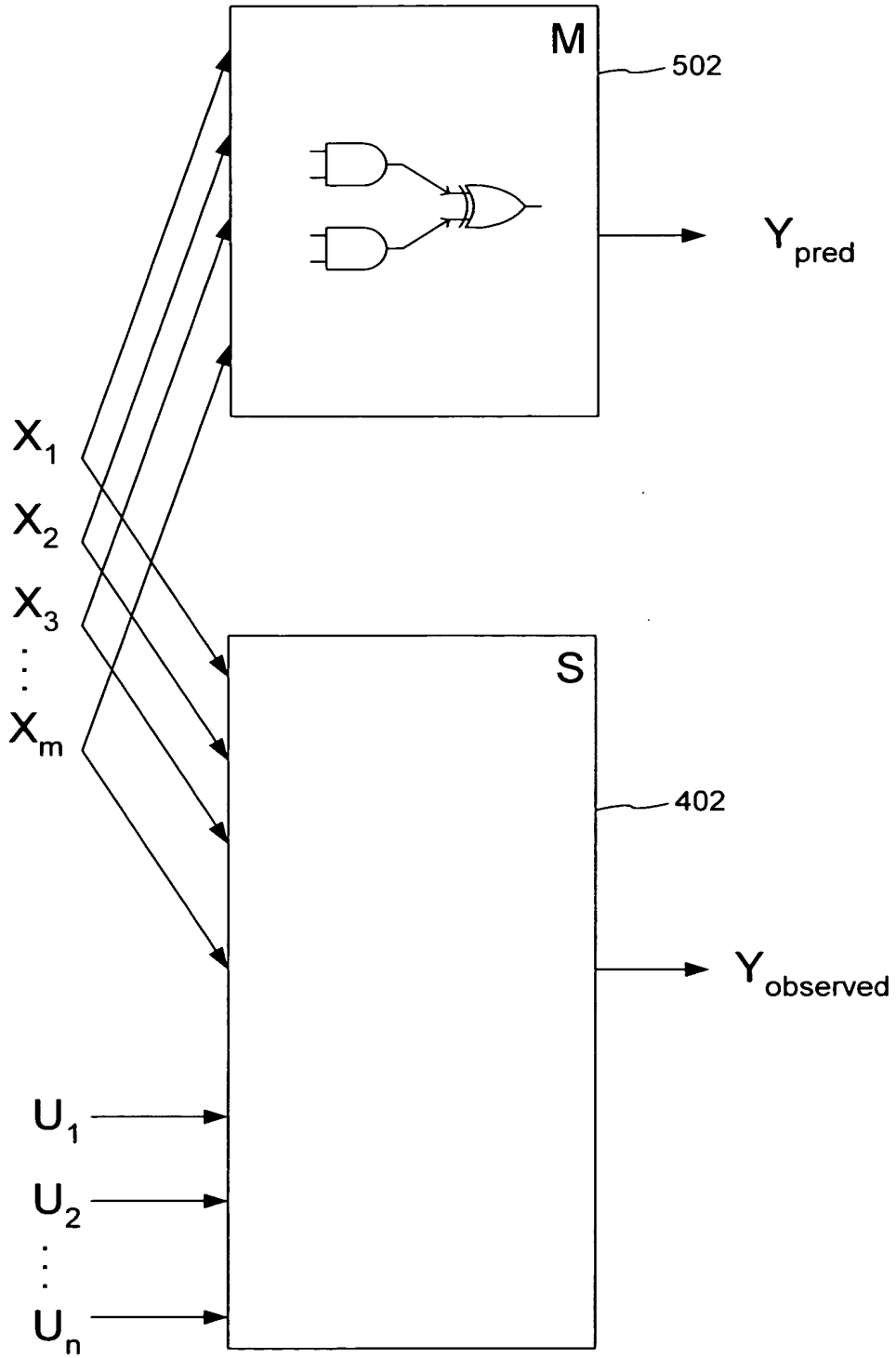
FIG. 4



005190 0856560

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

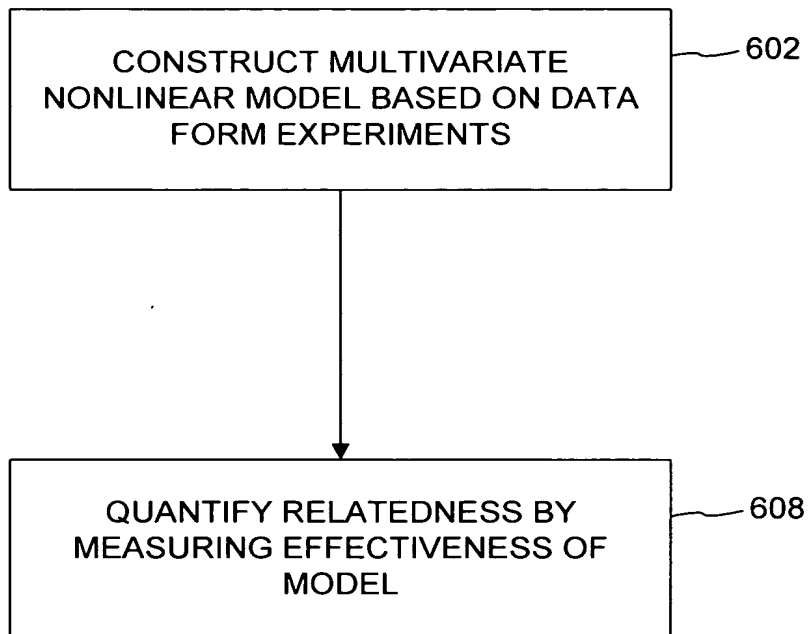
FIG. 5



09595580 "061500

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 6



005190" 08556560

FIG. 7A

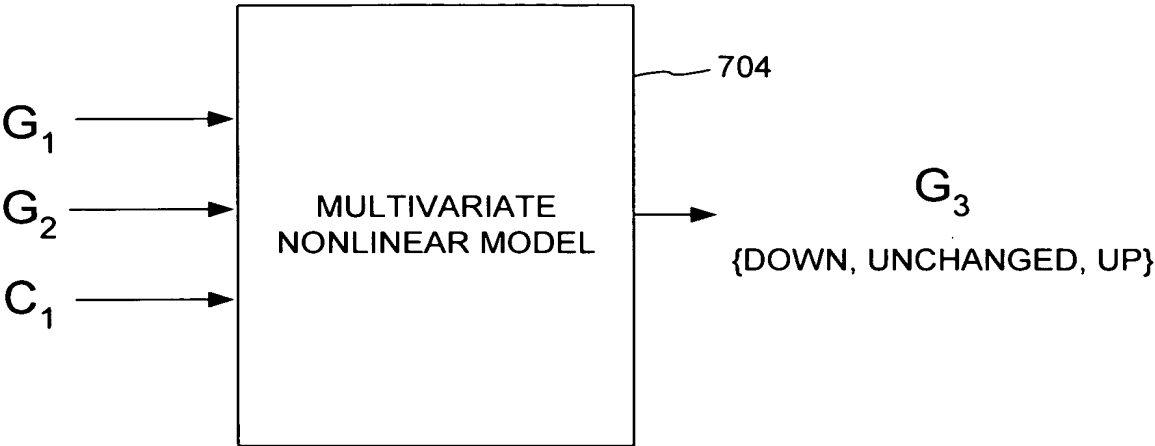


FIG. 7B

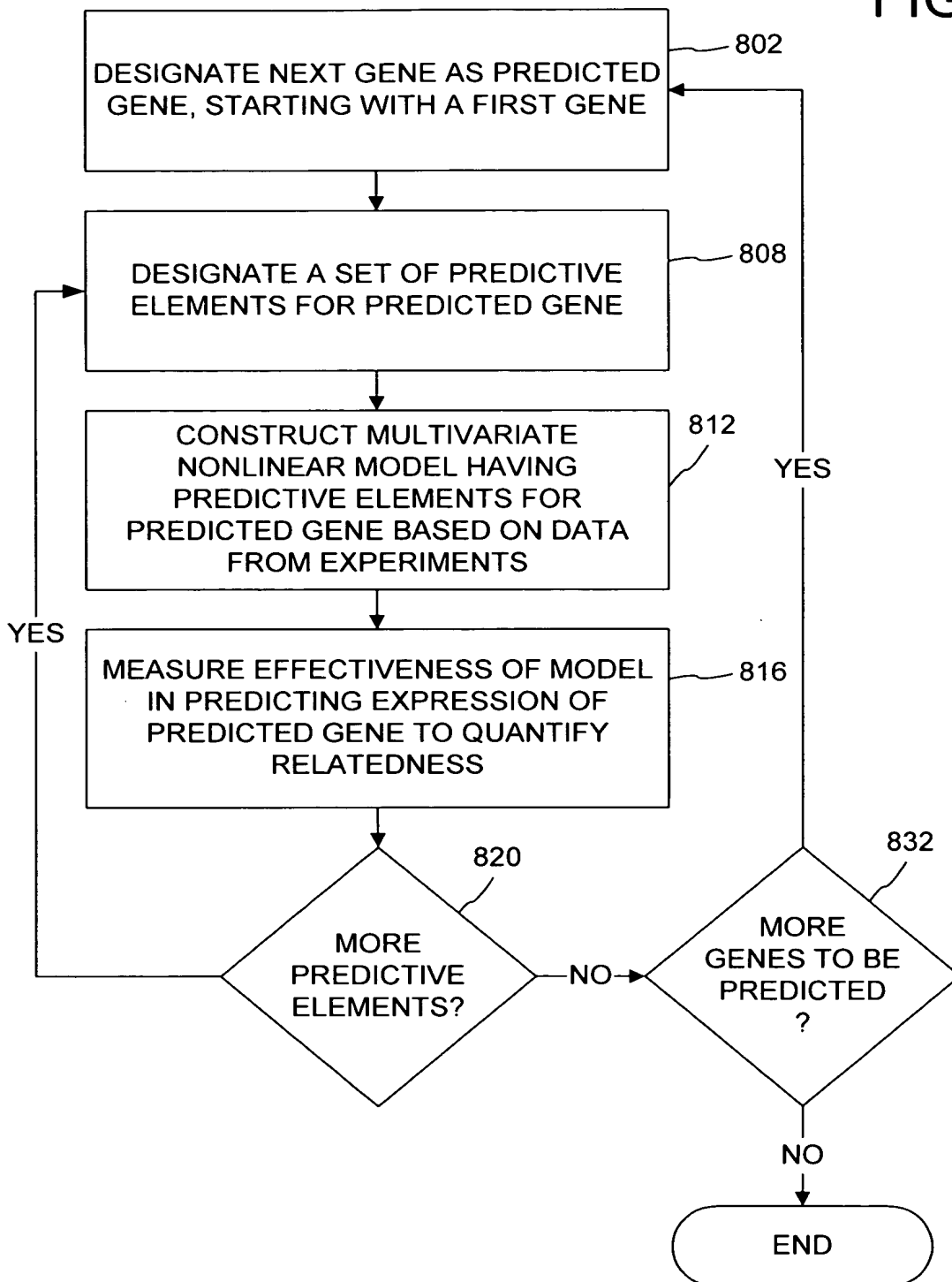
754

| | G_1 | G_2 | C_1 | G_3 (PREDICTED) | G_3 (OBSERVED) |
|-------|-------|-------|-------|-------------------|------------------|
| E_1 | UP | UN | YES | UP | UP |
| E_2 | UP | UP | YES | UP | UP |
| E_3 | UN | DN | YES | UP | UP |
| E_4 | UN | UN | NO | DN | DN |
| E_5 | UP | DN | NO | DN | UP |
| E_K | UP | UP | YES | UP | DN |

EFFECTIVENESS = 0.74

0059580"061500

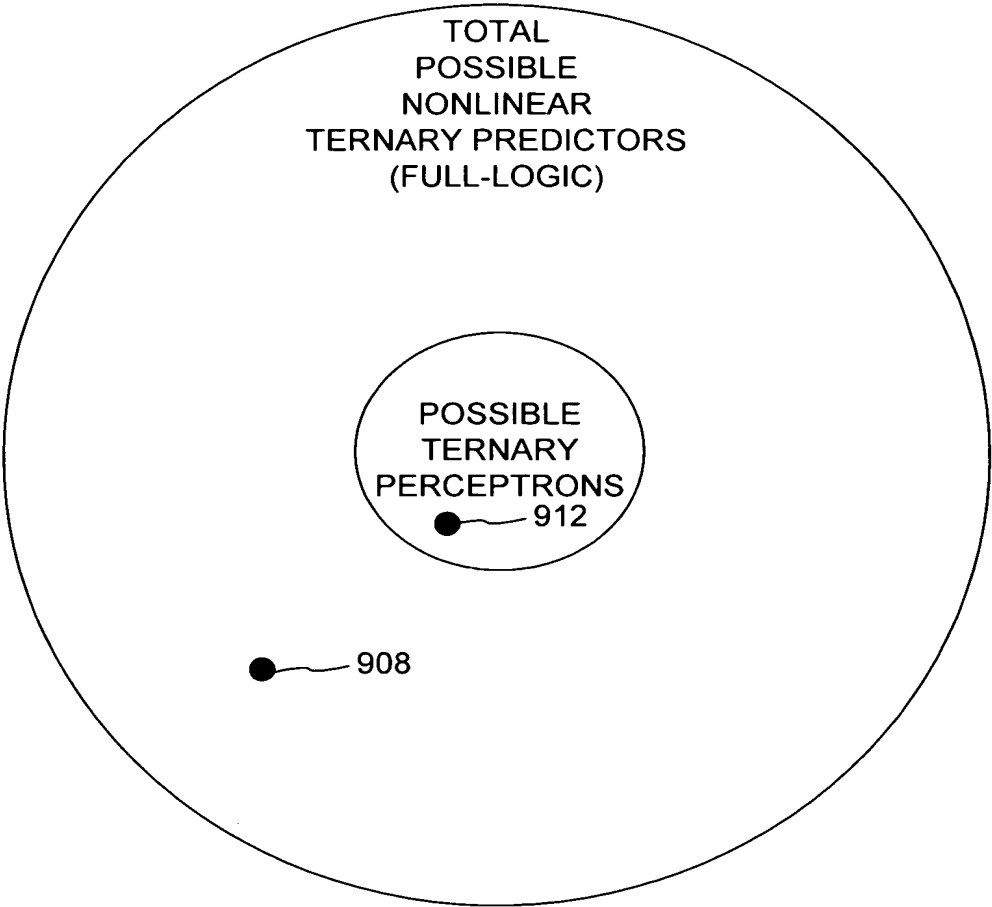
FIG. 8



00595500-061500

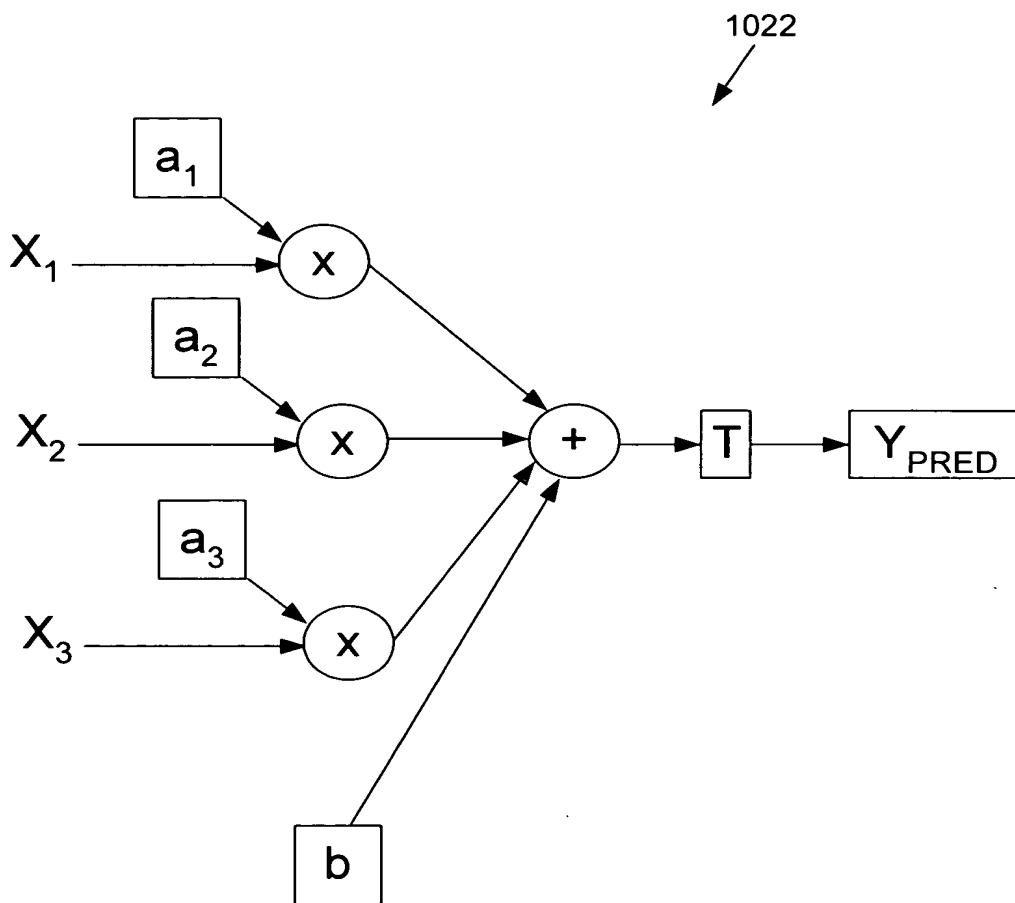
| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 9



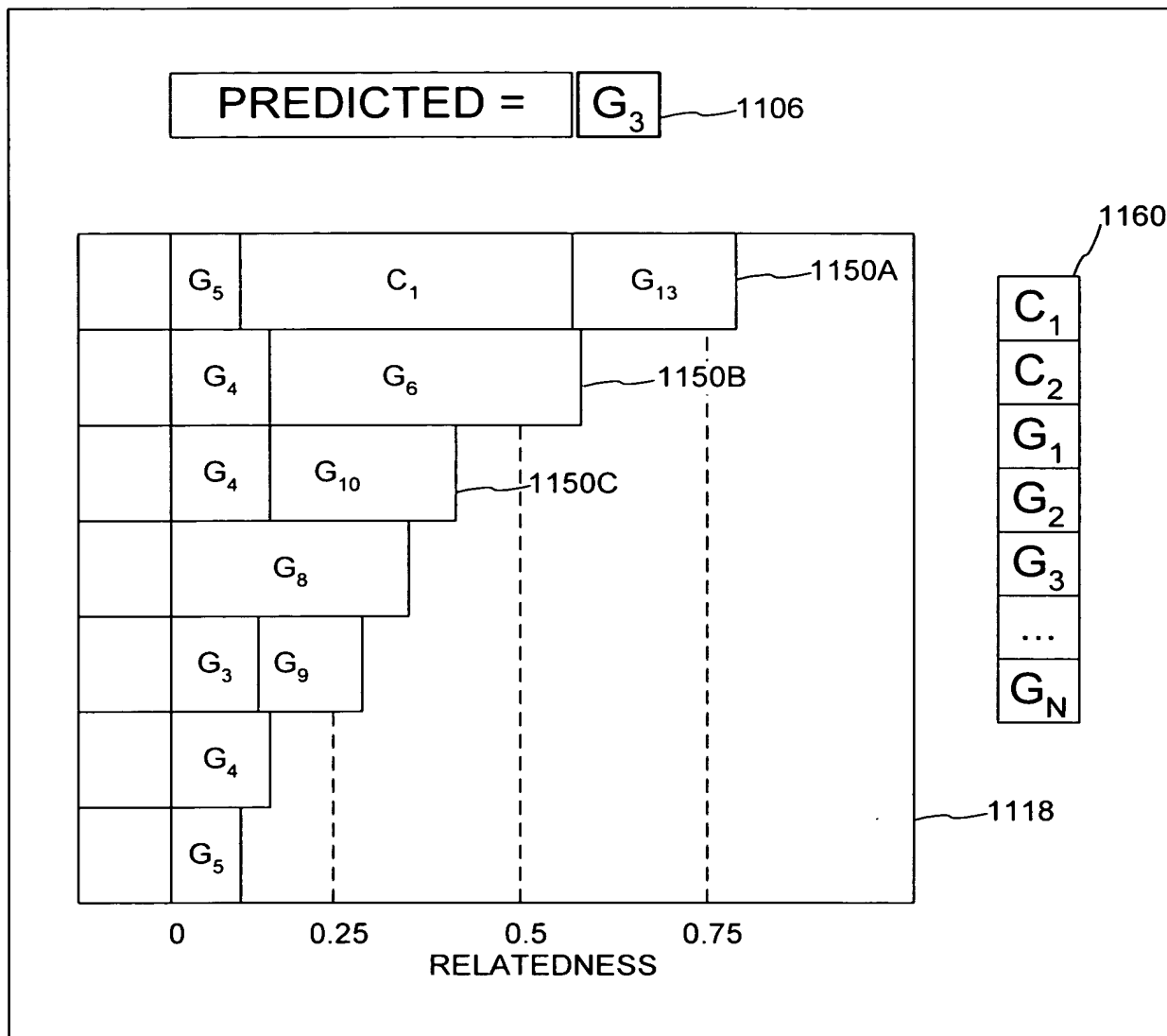
0959580-061500

FIG. 10



005T90" 08556560

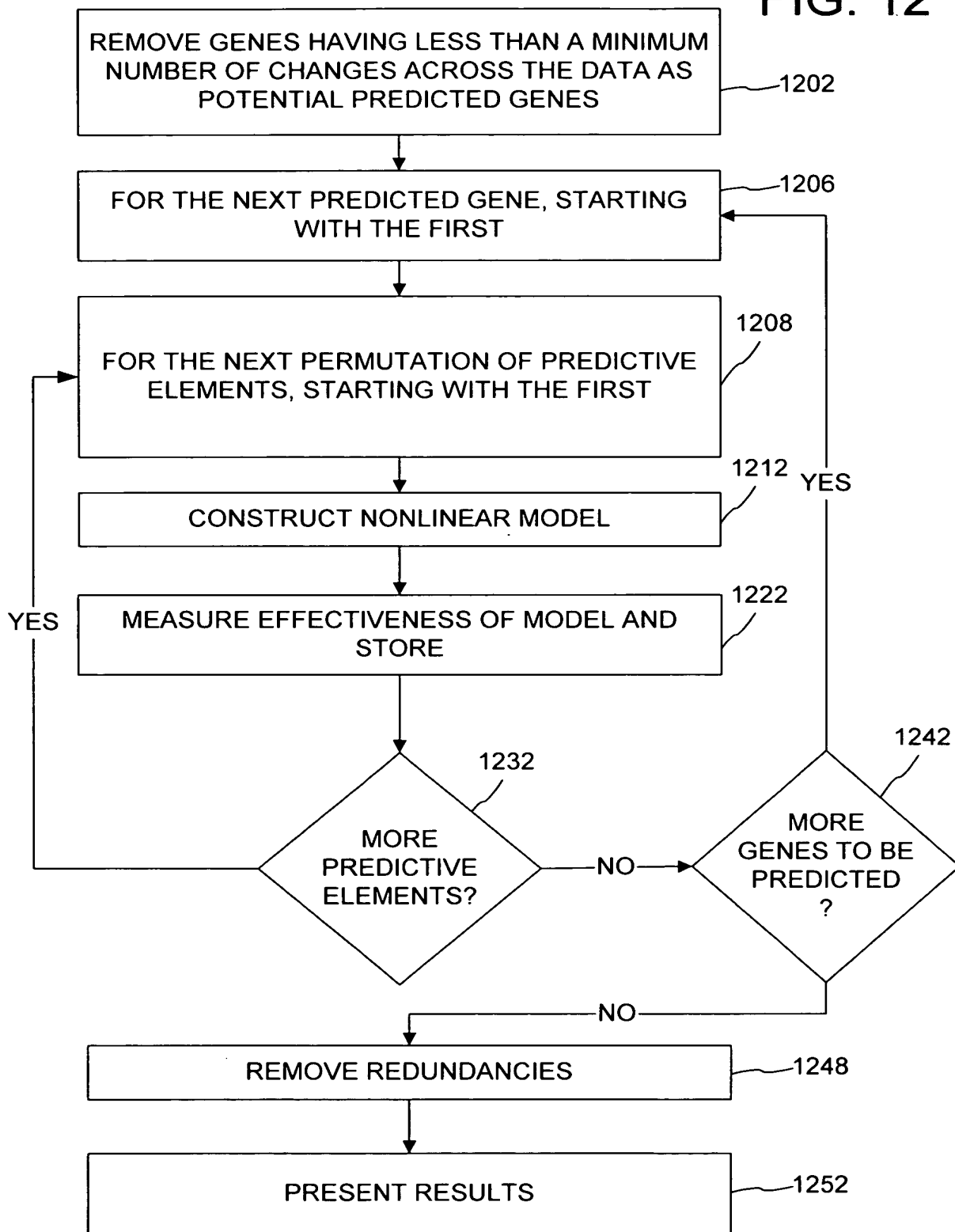
FIG. 11



1102

005550-061500

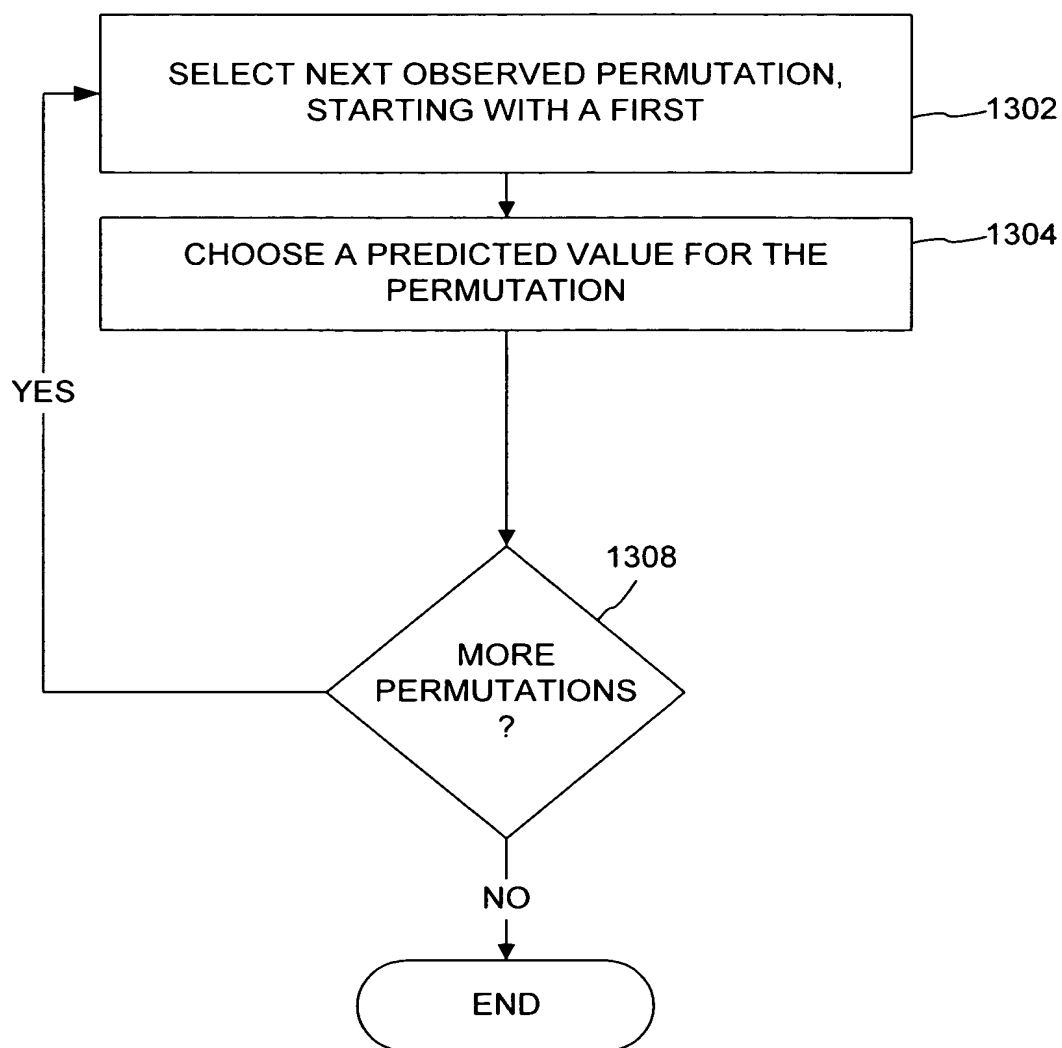
FIG. 12



005190" 0855660

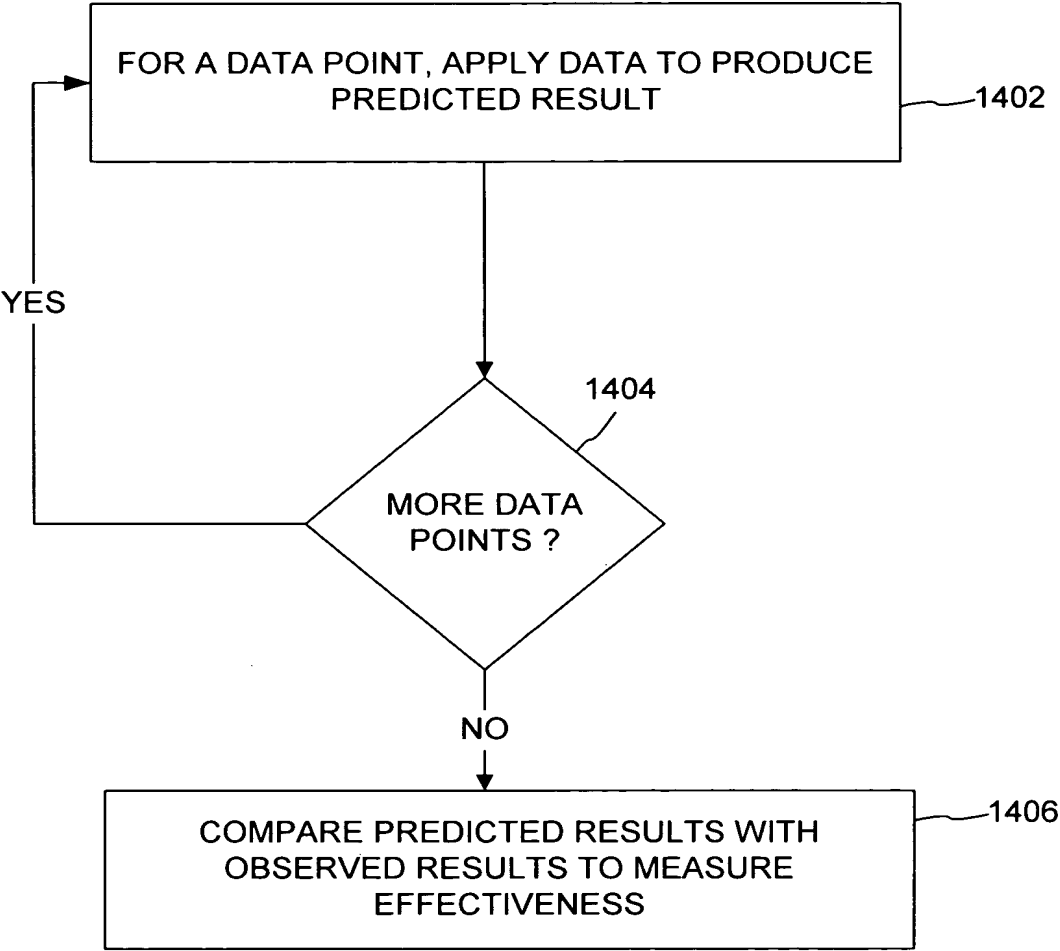
| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 13



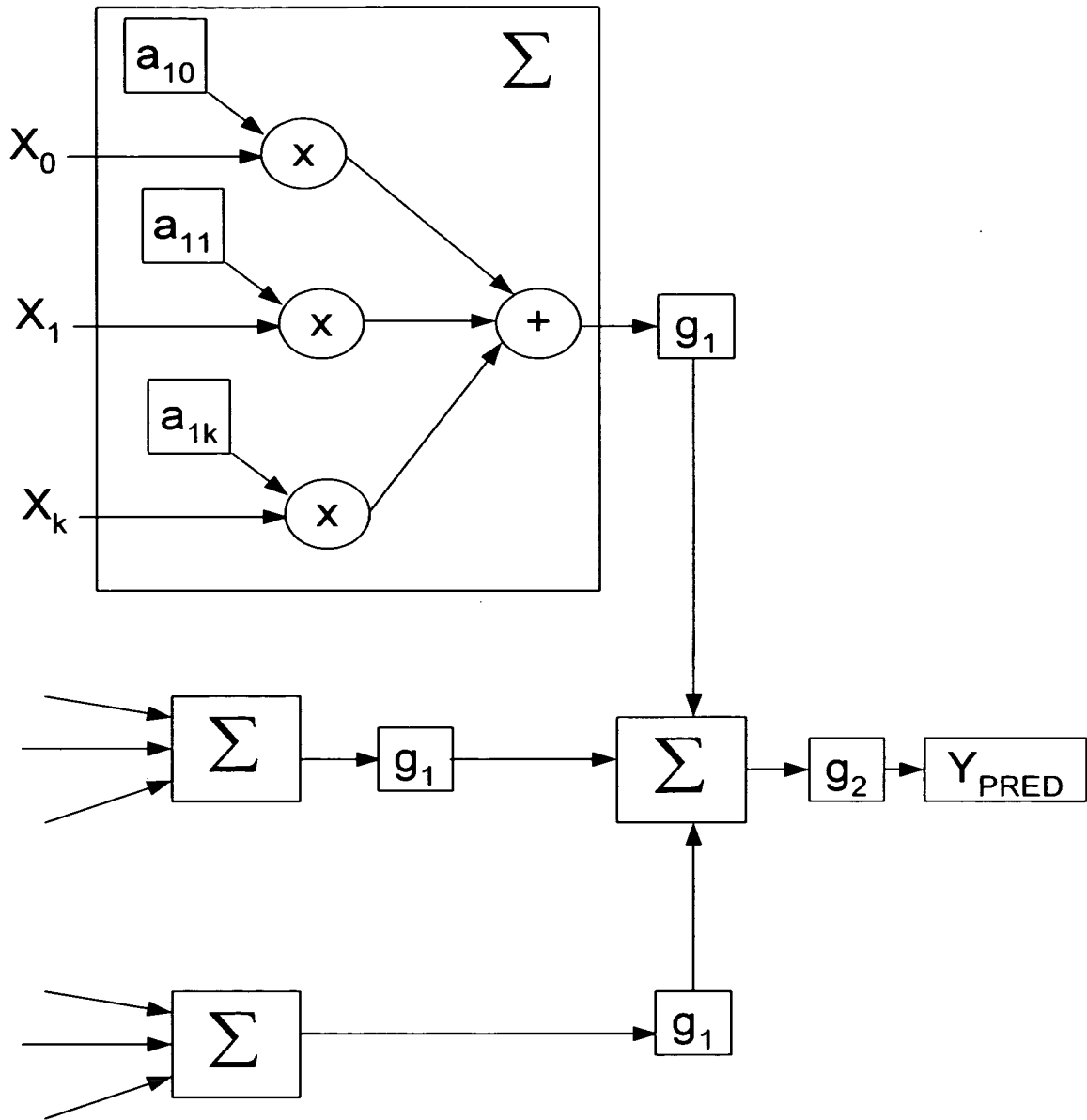
005790" 08556560

FIG. 14



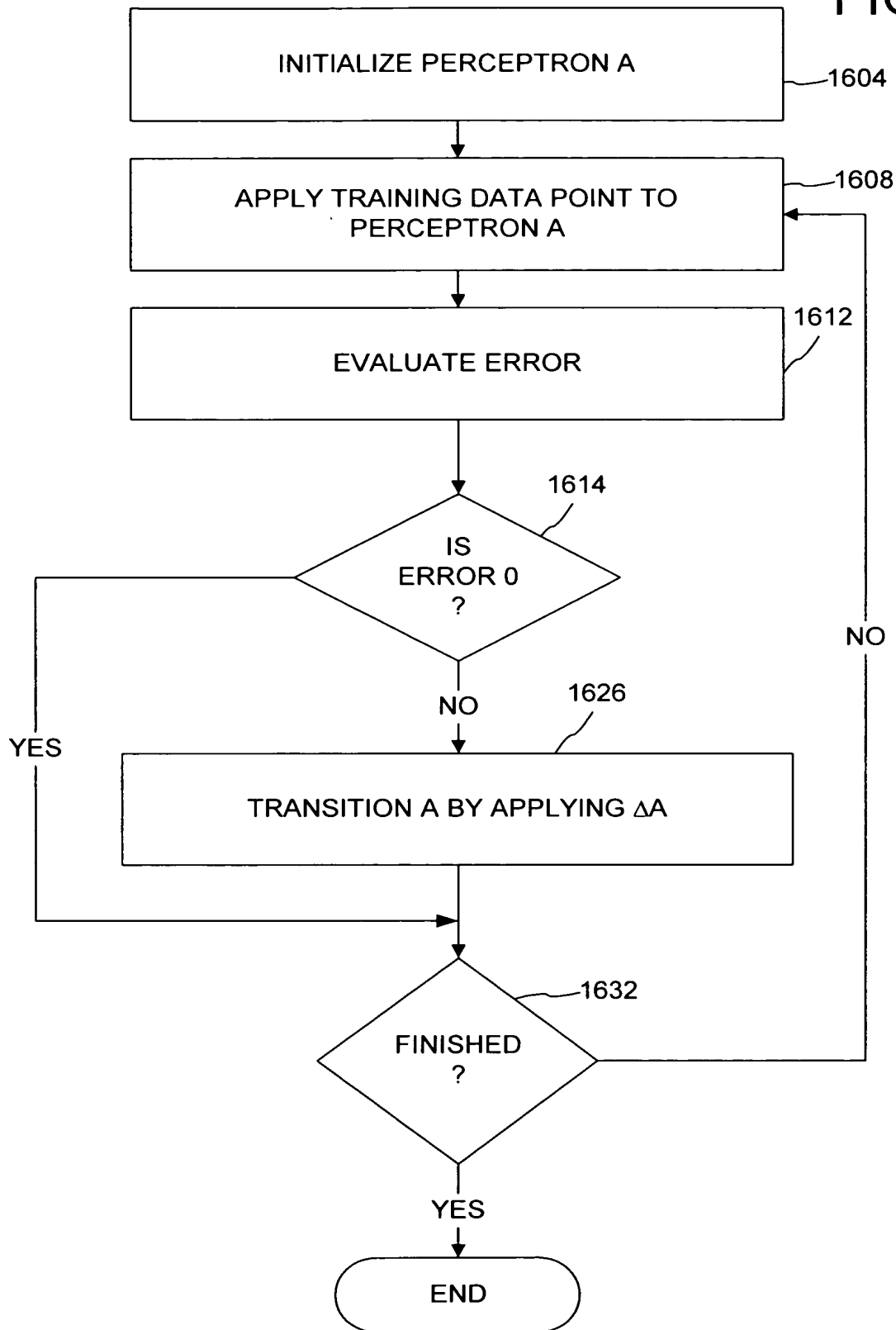
09595580 "061500

FIG. 15



0059580-061500

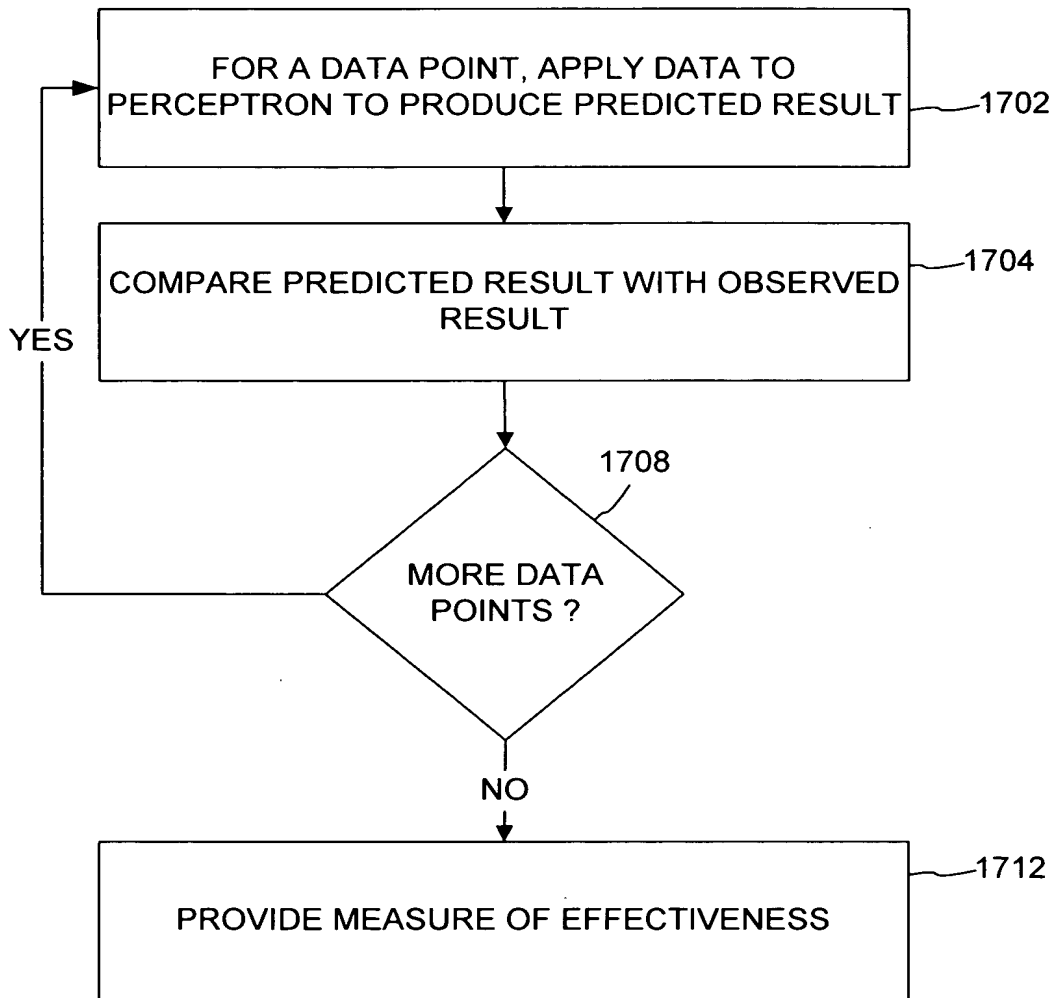
FIG. 16



005190" 08556560

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

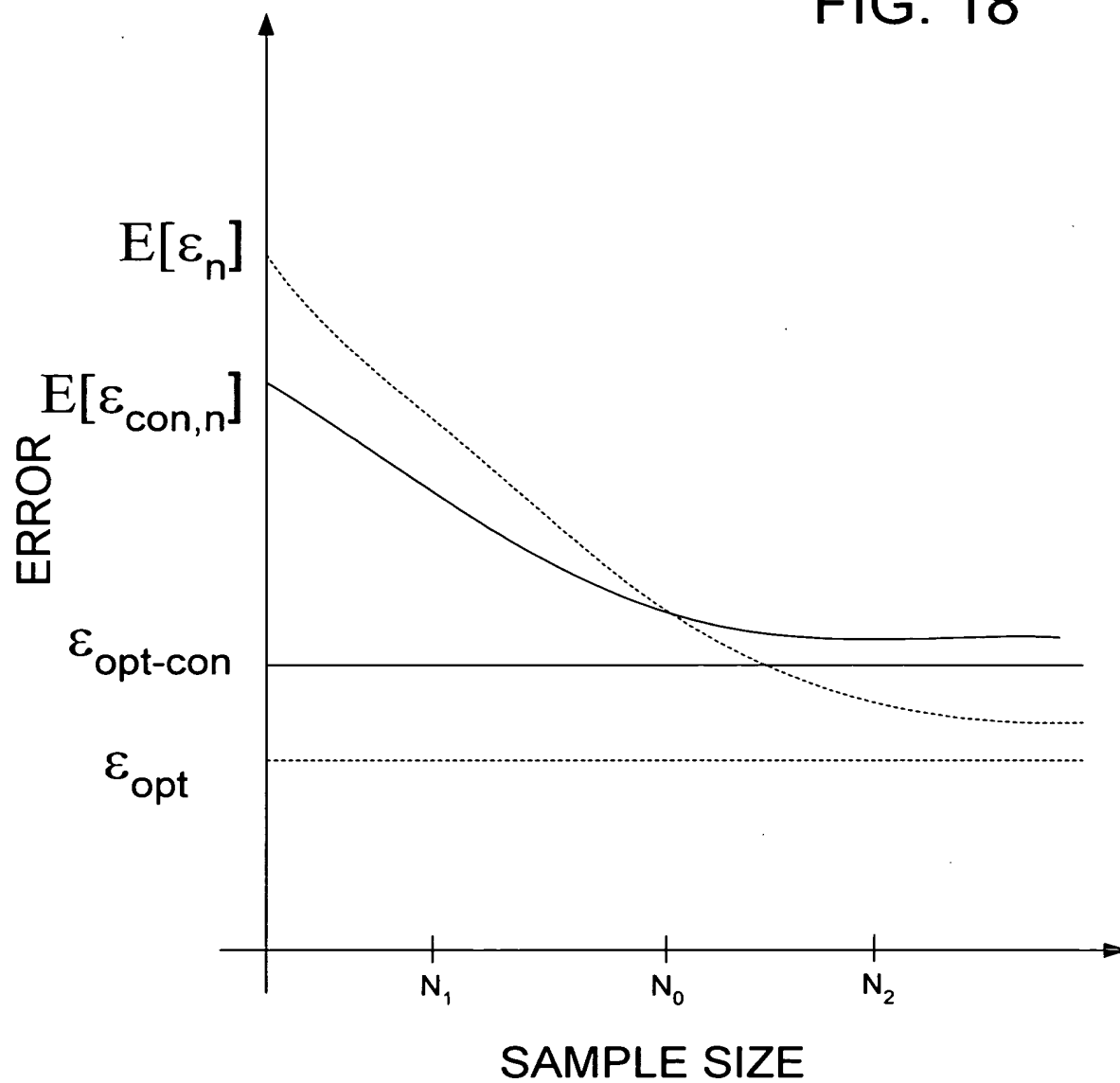
FIG. 17



0055580 061500 0055560

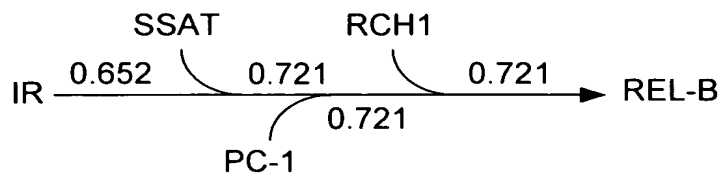
| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 18

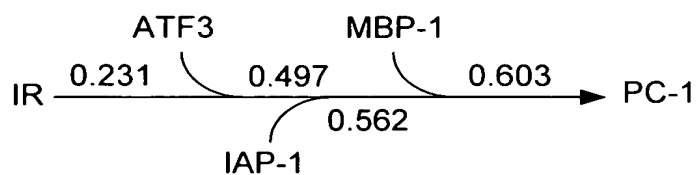


005580-01500

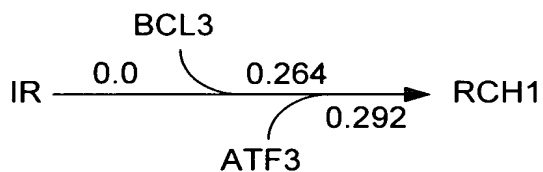
FIG. 21



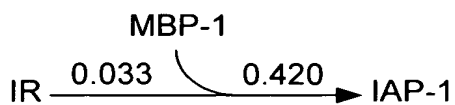
(A)



(B)



(C)



(D)

005190" 08556560

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 19

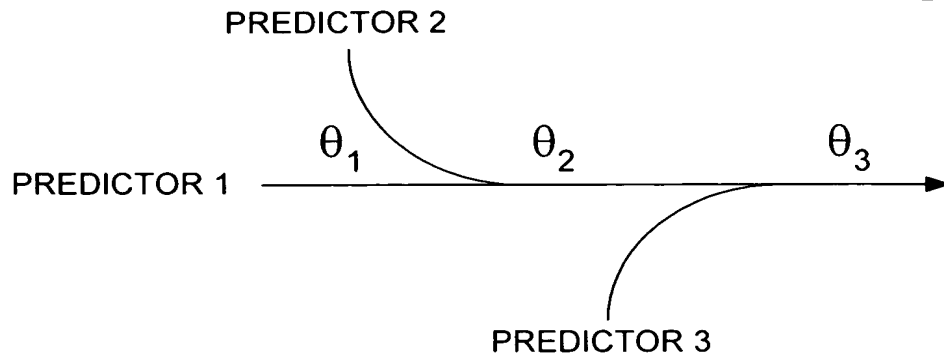
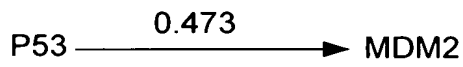
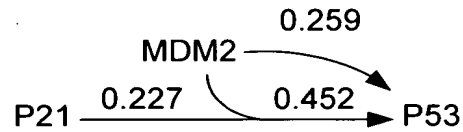


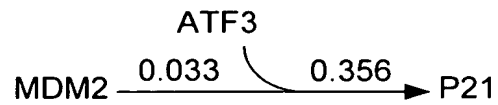
FIG. 20



(A)



(B)

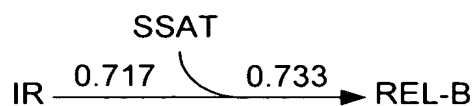


(C)

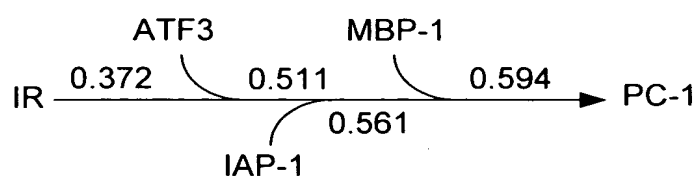
005190" 0855560

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

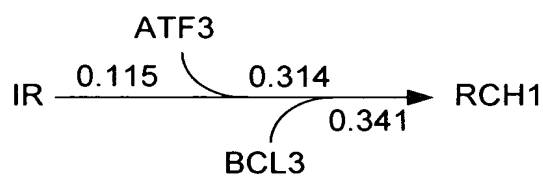
FIG. 22



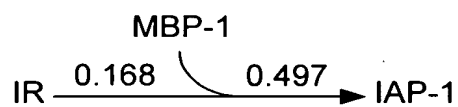
(A)



(B)



(C)

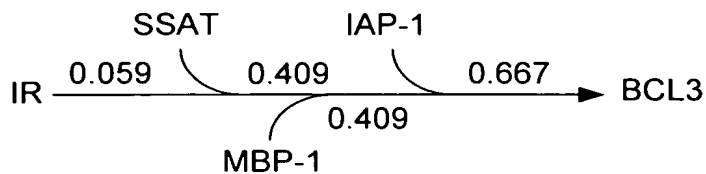


(D)

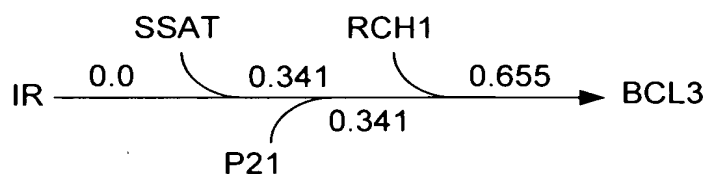
005190 08556660

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

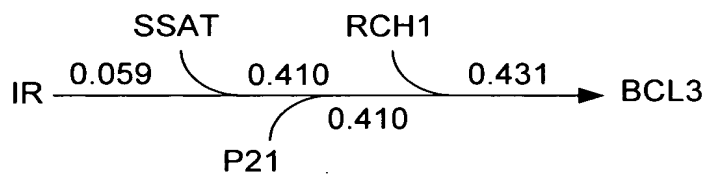
FIG. 23



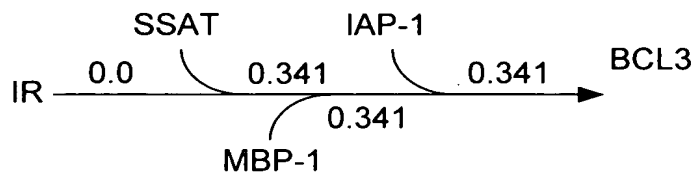
(A)



(B)



(C)

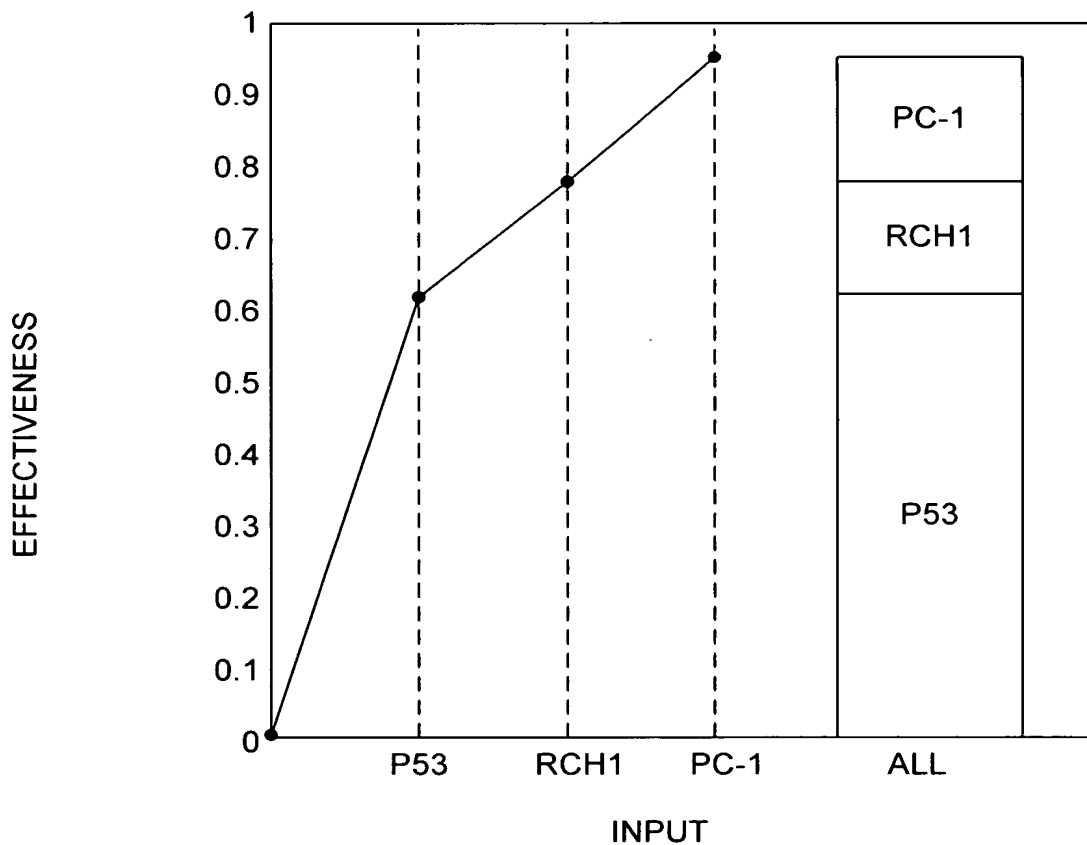


(D)

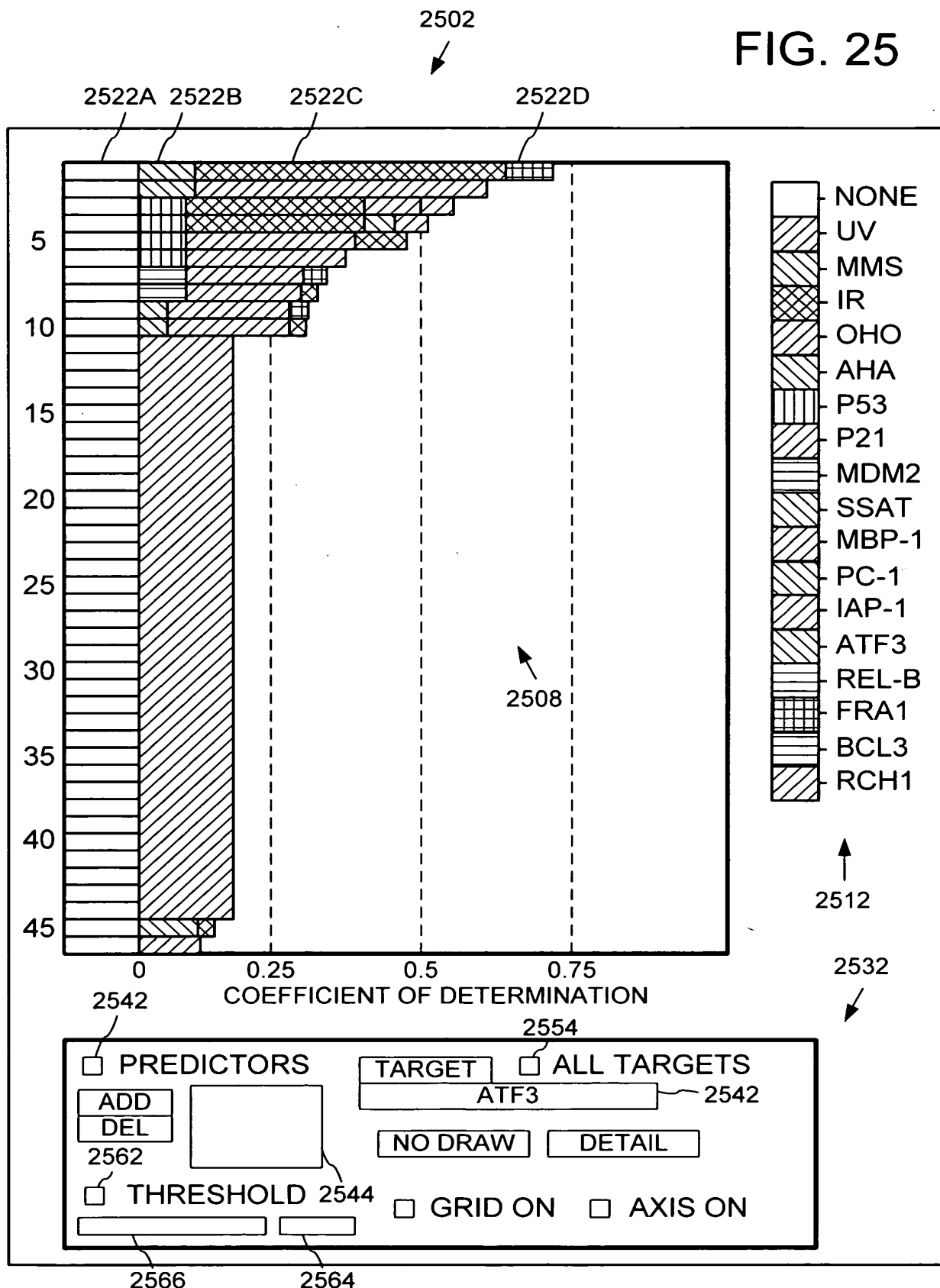
005T90" 0855560

FIG. 24

PERCEPTRON: TARGET = AHA

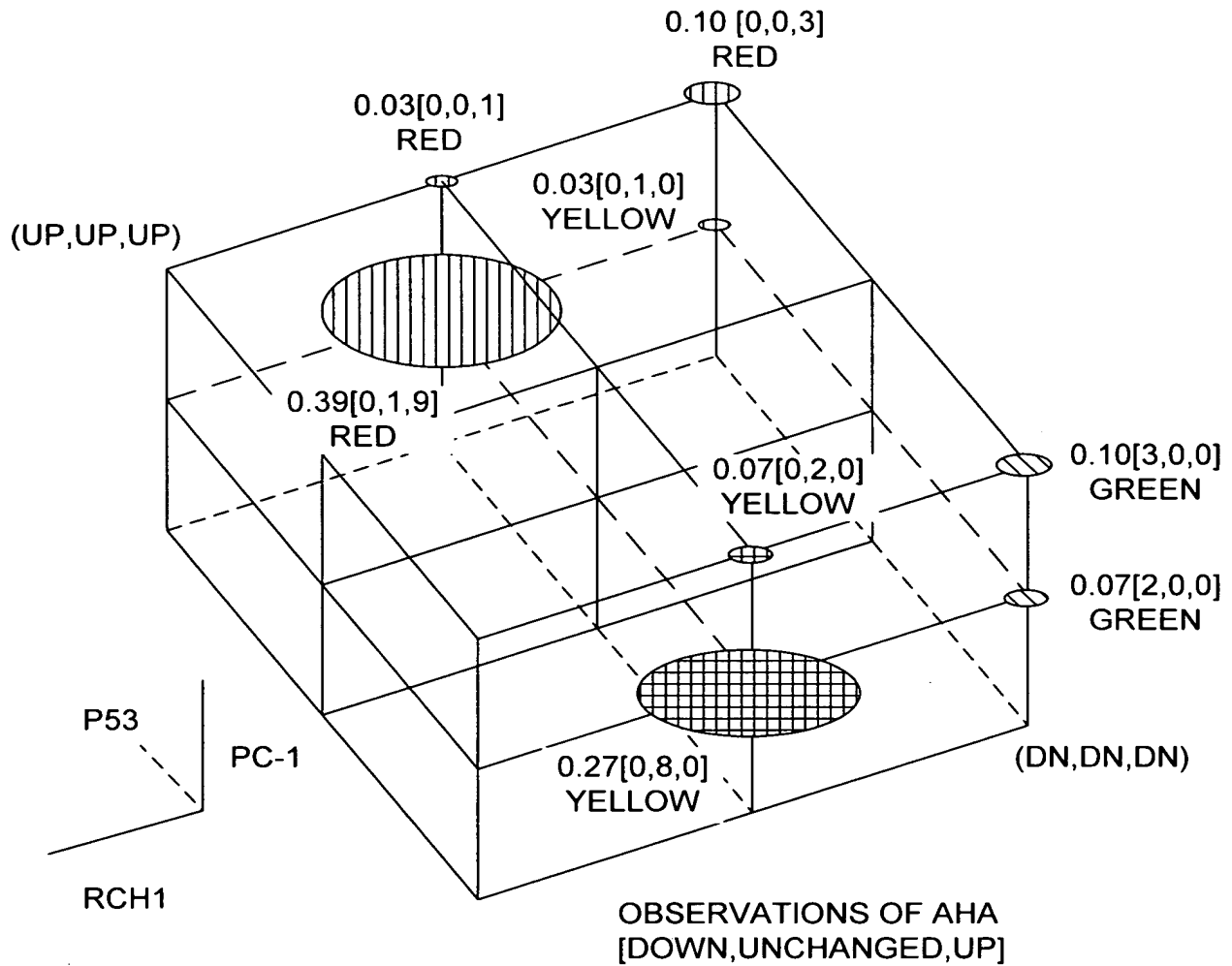


005790" 085556560



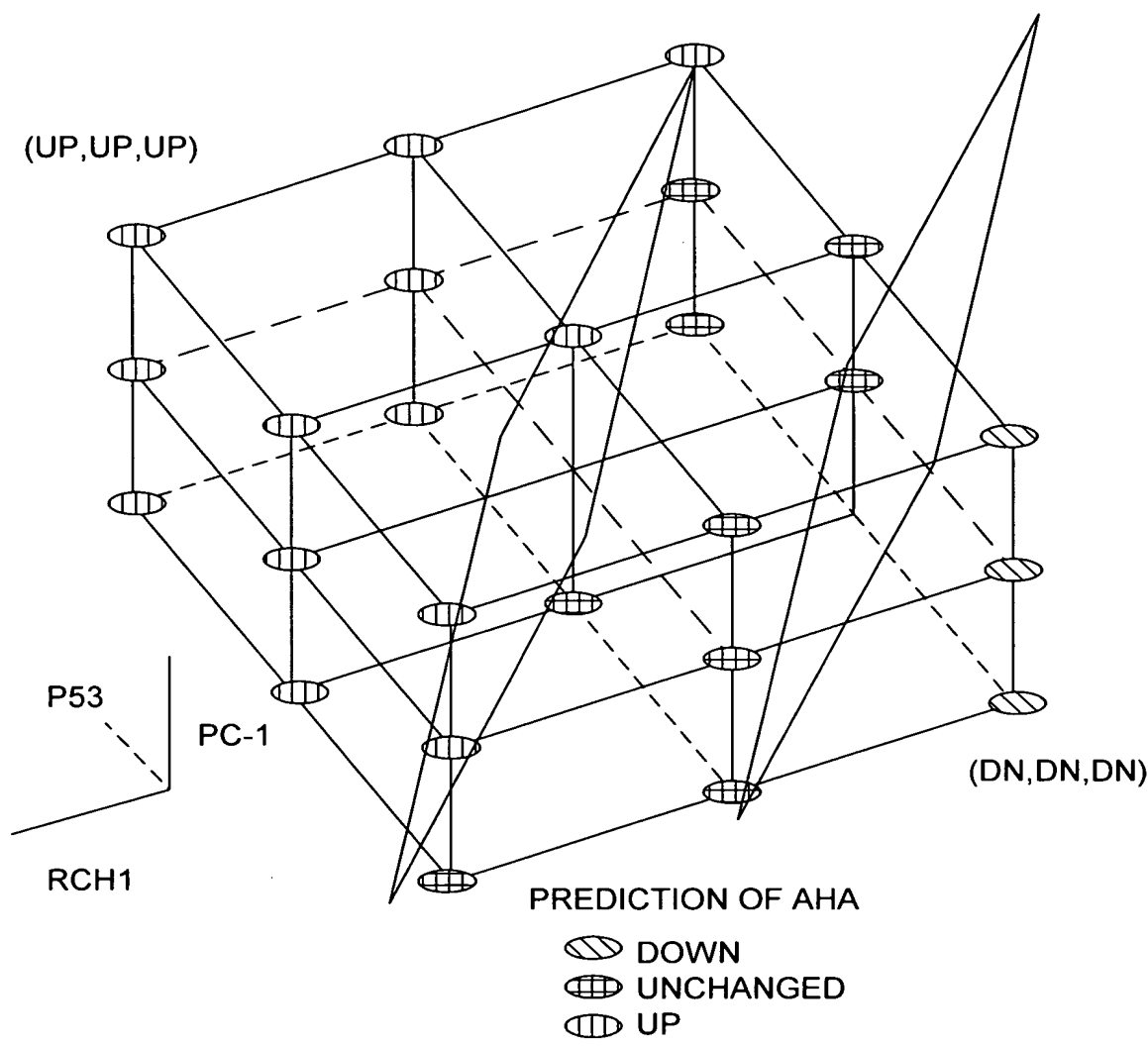
| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SUBCLASS |
| DRAFTSMAN | | |

FIG. 26



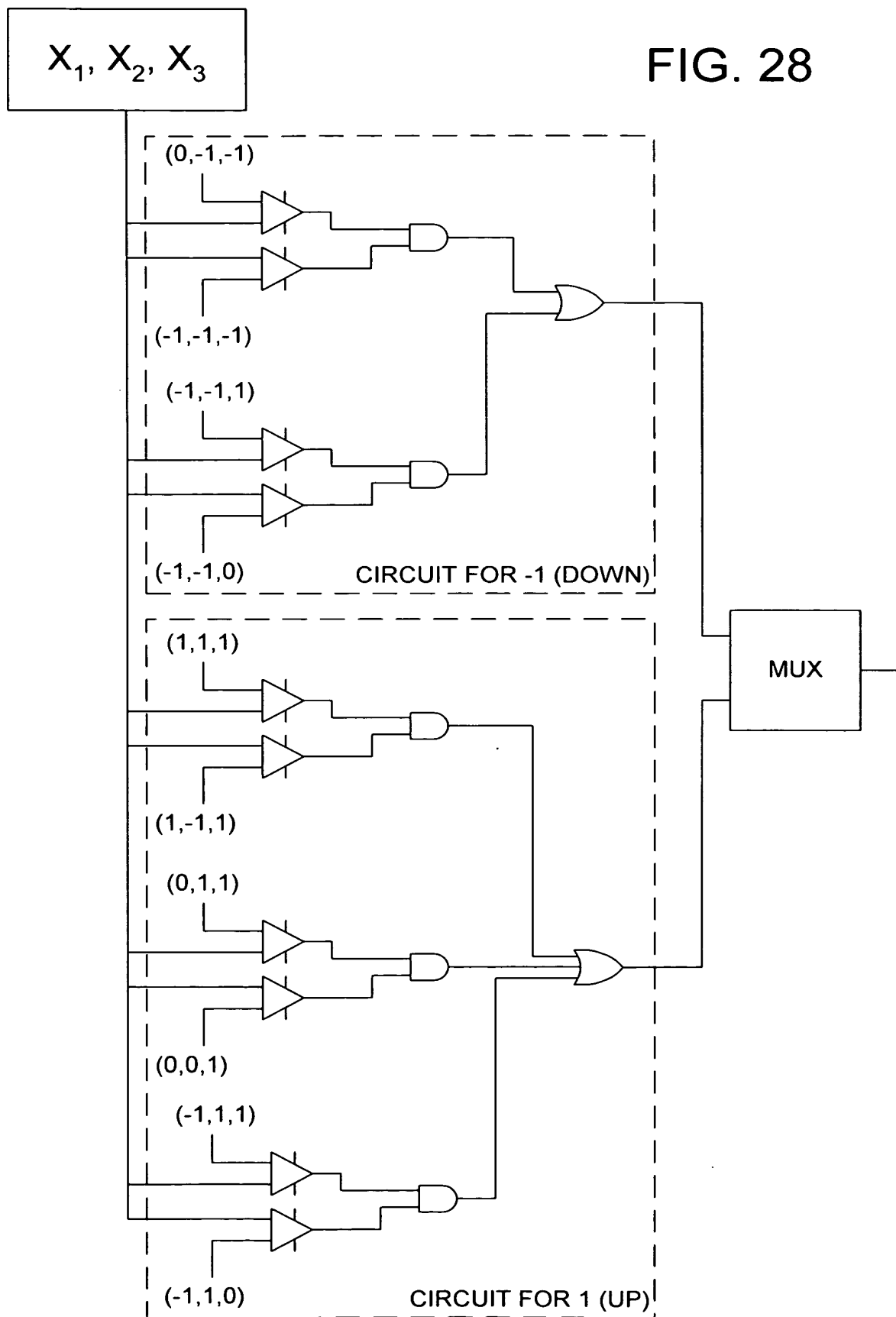
0055580"061500

FIG. 27



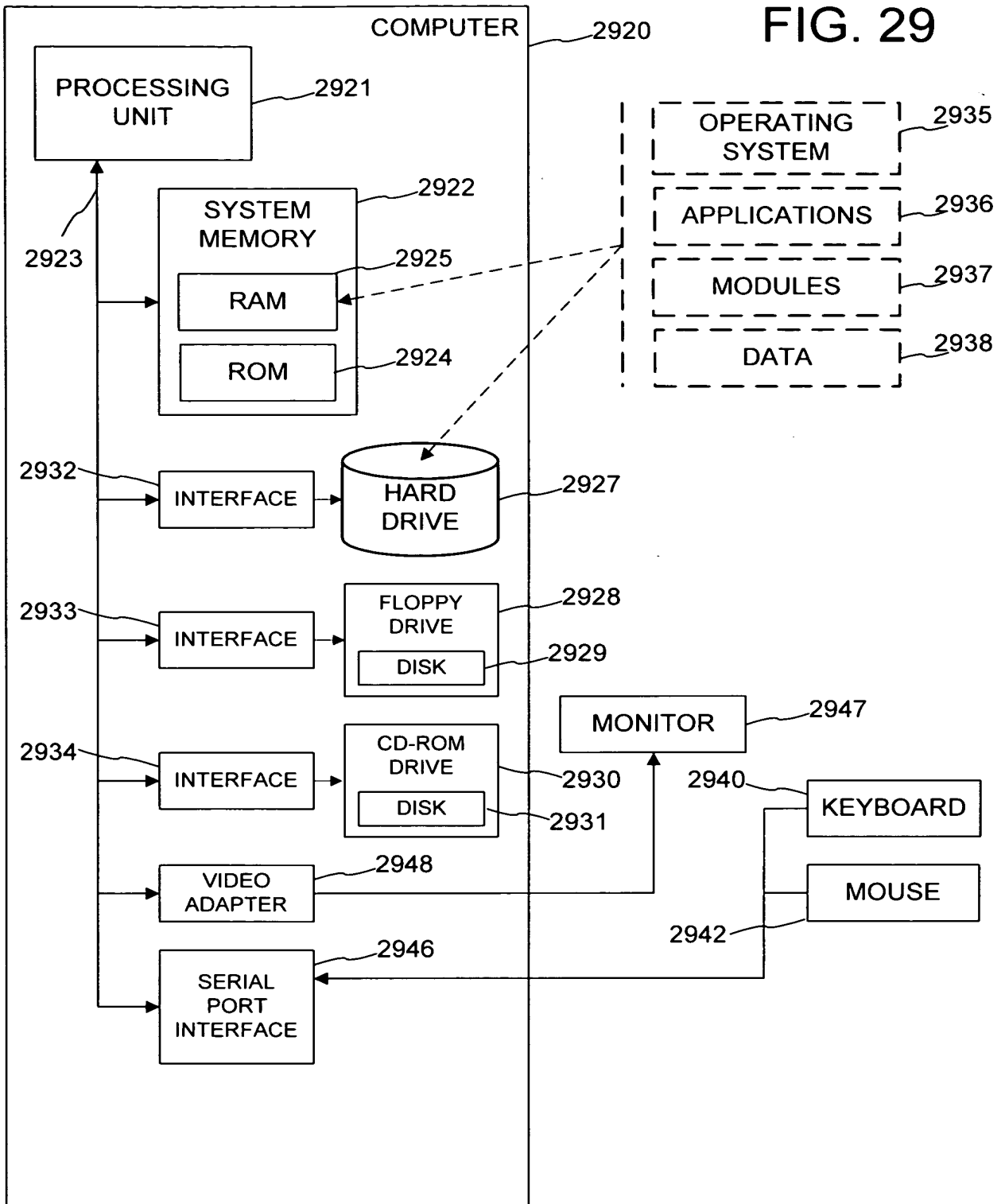
0059580 061500

FIG. 28



055580 101500

FIG. 29



005580 " 061500